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Complete if Known Substitute for form 1449/PTO 09/925,284-Conf. #2660 Application Number INFORMATION DISCLOSURE August 9, 2001 Filing Date STATEMENT BY APPLICANT First Named Inventor Daniel Hawiger 1644 Art Unit (Use as many sheets as necessary) Examiner Name R.B. Schwadron RUJ-001CNCPRCE2

Attorney Docket Number

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1*	US-4,474,893	10-02-1984	Reading	
	A2*	US-4,946,778	08-07-1990	Ladner et al.	
	A3*	US-4,954,617	09-04-1990	Fanger et al.	
	A4*	US-5,455,030	10-03-1995	Ladner et al.	
	A5*	US-5,476,786	12-19-1995	Huston	
	A6*	US-5,545,807	08-13-1996	Surani et al.	
	A7*	US-5,698,679	12-16-1997	Nemazee	
	A8*	US-5,869,057	02-09-1999	Rock	
	A9*	US-5,876,917	03-02-1999	Hart et al.	·
	A10*	US-5,922,845	07-13-1999	Deo et al.	
	A11*	US-6,080,409	06-27-2000	Laus et al.	
	A12*	US-6,277,959	08-21-2001	Valladeau et al.	
	A13*	US-6,340,569	01-22-2002	Ball et al.	
	A14*	US-6,479,247-A1	11-12-2002	Hart et al.	
	A15*	US-20020187131-A1	12-12-2002	Hawiger et al.	
	A16*	US-6,756,478-A1	06-29-2004	Valladeau et al.	
	A17*	US-20040001853-A1	01-01-2004	George et al.	

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Examiner	Cite Foreign Patent Document		Publication	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	
	B1	WO-86/01533-A1	03-13-1986	Celltech Limited		
	B2	WO-88/00052-A1	01-14-1988	Trustees of Dartmouth College		
	ВЗ	WO-92/07579-A1	05-14-1992	The Children's Medical Center Corporation		
	B4	WO-92/03918-A1	03-19-1992	Genpharm International, Inc.		
	B5	WO-93/04187-A1	03-04-1993	Medical Research Council	•	
	B6	WO-93/12227-A1	06-24-1993	Genpharm International, Inc.		Γ

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Cub	stitute for form 1449/PT			Complete if Known		
Sub	istitute for form 1449/FT	O		Application Number	09/925,284-Conf. #2660	
IN	IFORMATIC	ON DIS	CLOSURE	Filing Date	August 9, 2001	
	TATEMENT			First Named Inventor	Daniel Hawiger	
	17(121012111			Art Unit	1644	
	(Use as many	sheets as	necessary)	Examiner Name	R.B. Schwadron	
Sheet	2	of	12	Attorney Docket Number	RUJ-001CNCPRCE2	

U.S. PATENT DOCUMENTS								
Examiner	Cita	Document Number	Name of Patentee or	Pages, Columns, Lines, Where				
Examiner Initials*	Cite No. ¹	Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear			
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Examiner Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	
	B7	WO-94/10332-A1	05-11-1994	Medarex, Inc.		
	B8	WO-95/15340-A1	06-08-1995	The Board of Trustees of Leland Stanford Junior University		
	В9	WO-96/23882-A1	08-08-1996	The Rockefeller University		ليا
	B10	WO-97/45449-A1	12-04-1997	Hart, Derek et al.		لِـــا
T	B11	WO-98/24884-A1	06-11-1998	Genpharm International		
	B12	WO-98/15579-A1	04-16-1998	Canterbury Health Limited		نط

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	TATEMENT I			First Named Inventor	Daniel Hawiger	
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Sheet	3	of	12	Attorney Docket Number	RUJ-001CNCPRCE2	

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Examiner Initials*	Cite No. ¹	Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	
	B13	WO-99/02562-A1	01-21-1999	Schering Corporation		
	B14	WO-99/16455-A1	04-08-1999	The Austin Research Institute		L
	B15	WO-99/24554-A2	05-20-1999	Univerity of Pittsburgh		L
	B16	WO-99/47673-A2	09-23-1999	Schering Corporation		L
	B17	WO-99/55369-A1	11-04-1999	Smithkline Beecham Corporation		
	B18	WO-99/58678-A2	11-18-1999	Micromet GmbH		L

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Sub	stitute for form 1449/FTC	,		Application Number	09/925,284-Conf. #2660	
11	FORMATIO	N DI	SCLOSURE	Filing Date	August 9, 2001	
	••		APPLICANT	First Named Inventor	Daniel Hawiger	
	1741 = 101 = 141			Art Unit	1644	
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Sheet	4	of	12	Attorney Docket Number	RUJ-001CNCPRCE2	

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	B19	WO-00/00156-A2	01-06-2000	Trustees of Dartmouth College	·	
	B20	WO-00/00592-A1	01-06-2000	Bae, Yong Soo et al.		
	B21	WO-00/18803-A2	04-06-2000	Schering Corporation		
	B22	WO-00/63251-A1	10-26-2000	Katholieke Universiteit Nijmegen		
-	B23	WO-01/25492-A1	04-12-2001	Biosite Diagnostics Inc. et al.		
	B24	WO-01/85798-A2	11-15-2001	Medarex, Inc.		

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Sui		Application Number	09/925,284-Conf. #2660		
1 11	NFORMATION	N DI	SCLOSURE	Filing Date	August 9, 2001
•				First Named Inventor	Daniel Hawiger
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Sheet	5	of	12	Attorney Docket Number	RUJ-001CNCPRCE2

			U.S. PATEN	IT DOCUMENTS		
Examiner Cite		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant	
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	B25	WO-03/040169-A2	05-15-2003	Medarex Inc et al.		
	B26	WO-04/026326-A2	04-01-2004	Stichting Katholieke Universiteit		
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Sub	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known			
Sub	stitute for form 1449/F TO			Application Number	09/925,284-Conf. #2660
IN	IFORMATIO	N DI	SCLOSURE	Filing Date	August 9, 2001
				First Named Inventor	Daniel Hawiger
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	(Use as many sheets as necessary)			Examiner Name	R.B. Schwadron
Sheet	6	of	12	Attorney Docket Number	RUJ-001CNCPRCE2

		NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Apostolopoulos, Vasso et al, "Ex vivo targeting of the macrophage mannose receptor generates anti-tumor CTL responses," <i>Vaccine</i> , Vol. 18:3174-3184 (2000)	
	C2	Berard, Frederic et al, "Cross-Priming of Naive CD8 T Cells against Melanoma Antigens Using Dendritic Cells Loaded with Killed Allogeneic Malanoma Cells," <i>J. Exp. Med.</i> , Vol. 192(11):1535-1543 (2000)	
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	C4	Bird, Robert E. et al, "Single-Chain Antigen-Binding Proteins," Science, Vol. 242(4877):423-426 (1988)	
,	C5	Brennan, Maureen et al, "Preparation of Bispecific Antibodies by Chemical Recombination of Monoclonal Immunoglobulin G ₁ Fragments," <i>Science</i> , Vol. 229:81-83 (1985)	
	C6	Casset, Florence et al., "A peptide mimetic of an anti-CD4 monoclonal antibody in rational design," <i>Biochemical and Biophysical Research Communications</i> , Vol. 307:198-205 (2003)	

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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

0.1-	stitute for form 1449/PT				Complete if Known
Subs	sulule for form 1449/FT	J		Application Number	09/925,284-Conf. #2660
IN	FORMATIC	ON DIS	SCLOSURE	Filing Date	August 9, 2001
			PPLICANT	First Named Inventor	Daniel Hawiger
				Art Unit	1644
l	(Use as many	sheets as	necessary)	Examiner Name	R.B. Schwadron
Sheet	7	of	12	Attorney Docket Number	RUJ-001CNCPRCE2

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C7	Chen, Yvonne et al., "Selection and Analysis of an Optimized Anti-VEGF Antibody: Crystal Strucutre of an Affinity-matured Fab in Complex with Antigen," <i>J. Mol. Biol.</i> , Vol. 293:865-881 (1999)	
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	C9	Cox, John C. et al., "Adjuvants - a classification and review of their modes of action," Vaccine, Vol. 15(3):248-256 (1997)	
	C10	De Pascalis, Roberto et al., "Grafting of 'Abbreviated' Complementarity-Determining Regions Containing Specificity-Determining Residues Essential for Ligand Contact to Engineer a Less Immunogenic Humanized Monoclonal Antibody," <i>The Journal of Immunology</i> , Vol. 169:3076-3084 (2002)	
	C11	Frieta, Davor et al, "Class II-targeted antigen is superior to CD40-targeted antigen at stimulating humoral responses in vivo," <i>International Immunopharmacology</i> , Vol. 1:265-275 (2001)	
	C12	Galfre, G. et al, "Antibodies to major histocompatibility antigens produced by hybrid cell lines," <i>Nature</i> . Vol. 266(7):550-552 (1977)	

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0.1.	Substitute for form 1449/PTO		Complete if Known		
Subs	Substitute for form 1449/P10			Application Number	09/925,284-Conf. #2660
IN	FORMATIC	ON DIS	CLOSURE	Filing Date	August 9, 2001
	STATEMENT BY APPLICANT			First Named Inventor	Daniel Hawiger
				Art Unit	1644
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Sheet	Sheet 8 of 12		Attorney Docket Number	RUJ-001CNCPRCE2	

		NON PATENT LITERATURE DOCUMENTS	r —
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	C13	Geissmann, Frédéric et al, "A Subset of Human Dendritic Cells Expresses IgA Fc Receptor (CD89), Which Mediates Internalization and Activation Upon Cross-Linking by IgA Complexes," <i>The Journal of Immunology</i> , Vol. 166:346-352 (2001)	
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	C15	Hawiger, Daniel et al, "Dendritic Cells Induce Peripheral T Cell Unresponsiveness Under Steady State Conditions In Vivo," <i>J. Exp. Med.</i> , Vol. 194(6):769-779 (2001)	
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	C18	Janeway, Charles A. Jr. et al., "Localized regions of hypervariable sequence form the antigen- binding site," <i>Immunobiology</i> , 6 th Edition, Garland Science, Chpt. 3, pgs. 110-112 (2004)	

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0	stitute for form 1449/PTC			Complete if Known		
Suc	stitute for form 1449/P10	,		Application Number	09/925,284-Conf. #2660	
IN	FORMATIO	N DI	SCLOSURE	Filing Date	August 9, 2001	
	STATEMENT BY APPLICANT			First Named Inventor	Daniel Hawiger	
		-		Art Unit	1644	
	(Use as many	sheets as	necessary)	Examiner Name	R.B. Schwadron	
Sheet	Sheet 9 of 12			Attorney Docket Number	RUJ-001CNCPRCE2	

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	C19	Karpovsky, Boris et al, "Production of Target-Specific Effector Cells Using Hetero-Cross- Linked Aggregates Containing Anti-Target Cell and Anti-Fcγ Receptor Antibodies," <i>Journal of Experimental Medicine</i> , Vol. 160:1686-1701 (1984)	
	C20	Kawakami, Yutaka et al, "The Use of Melanosomal Proteins in the Immunotherapy of Melanoma," <i>Journal of Immunotherapy</i> , Vol. 21(4):237-246 (1998)	
	C21	Kobayashi, Hiroyuki et al, "Tryptophan H33 plays an important role in pyrimidine (6-4) pyrimidone photoproduct binding by a high-affinity antibody," <i>Protein Engineering,</i> Vol. 12(10):879-884 (1999)	
	C22	Lamminmäki, Urpo et al., "Crystal Structure of a Recombinant Anti-estradiol Fab Fragment in Complex with 17ß-Estradiol," <i>The Journal of Biological Chemistry</i> , Vol. 276(39):36687-36694 (2001)	
	C23	Liu, Margaret A. et al, "Heteroantibody duplexes target cells for lysis by cytotoxic T lymphocytes," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 82:8648-8652 (1985)	
	C24	Lonberg, Nils et al, "Antigen-specific human antibodies from mice comprising four distinct genetic modifications," <i>Nature,</i> Vol. 368:856-859 (1994)	
	C25	MacCallum, Robert M. et al., "Antibody-antigen Interactions: Contact Analysis and Binding Site Topography," <i>J. Mol. Biol.</i> , Vol. 262:732-745 (1996)	

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Subs	stitute for form 1449/F i	10		Application Number	09/925,284-Conf. #2660
IN	IFORMATION	ON DISC	CLOSURE	Filing Date	August 9, 2001
	STATEMENT BY APPLICANT			First Named Inventor	Daniel Hawiger
. •	17(12101210			Art Unit	1644
	(Use as many	sheets as ne	cessary)	Examiner Name	R.B. Schwadron
Sheet 10 of 12		Attorney Docket Number	RUJ-001CNCPRCE2		

Formula ex	011	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	T2
Examiner Initials	Cite No. ¹	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	1.
	C26	Monteiro, Renato C. et al, "Molecular Heterogeneity of Fcα Receptors Detected by Receptor-Specific Monoclonal Antibodies," <i>The Journal of Immunology</i> , Vol. 148(6):1764-1770 (1992)	
	C27	Noorman, Femke et al, "Monoclonal antibodies against the human mannose receptor as a specific marker in flow cytometry and immunohistochemistry for macrophages," <i>Journal of Leukocyte Biology</i> , Vol. 61:63-72 (1997)	
	C28	Nouri-Shirazi, Mahyar et al, "Dendritic Cells Capture Killed Tumor Cells and Present Their Antigens to Elicit Tumor-Specific Immune Response," <i>The Journal of Immunology</i> , Vol. 165:3797-3803 (2000)	
	C29	Paulus, H., "Preparation and Biomedical Applications of Bispecific Antibodies," <i>Behring Inst. Mitt.</i> , Vol. 78:118-132 (1985)	
	C30	Potter, Kathleen N. et al, "Evidence for Involvement of a Hydrophobic Patch in Framework Region 1 of Human V4-34-Encoded Igs in Recognition of the Red Blood Cell I Antigen," <i>The Journal of Immunology</i> , Vol. 169:3777-3782 (2002)	

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Subsi	illule for form 1449/F1	0		Application Number	09/925,284-Conf. #2660	
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Sheet	heet 11 of 12			Attorney Docket Number	RUJ-001CNCPRCE2	

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	C31	Ramakrishna, Vanky et al, "Mannose Receptor Targeting of Tumor Antigen pmel17 to Human Dendritic Cells Directs Anti-Melanoma T Cell Responses via Multiple HLA Molecules," <i>The Journal of Immunology</i> , Vol. 172:2845-2852 (2004)	
	C32	Ramakrishna, Venky et al, "Synergistic Role of TLR Agonists in T Cell-Mediated Immunity Induced by Mannose Receptor Antibody Targeting of Tumor Antigens to Human DCs," <i>J. Immunother.</i> , Vol. 28(6):658 (2005)	
-	C33	Rudikoff, Stuart et al, "Single amino acid substitution altering antigen-binding specificity," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 79:1979-1983 (1982)	
-	C34	Sallusto, Federica et al, "Dendritic Cells Use Macropinocytosis and the Mannose Receptor to Concentrate Macromolecules in the Major Histocompatibility Complex Class II Compartment: Downregulation by Cytokines and Bacterial Products," <i>J. Exp. Med.</i> , Vol. 182:389-400 (1995)	
	C35	Schjetne, Karoline W. et al., "Delivery of Antigen to CD40 Induces Protective Immune Responses against Tumors," <i>The Journal of Immunology</i> , Vol. 178:4169-4176 (2007)	
	C36	Taylor, Lisa D. et al., "A transgenic mouse that expresses a diversity of human sequence heavy and light chain immunoglobulins," <i>Nucleic Acids Research</i> , Vol. 20(23):6287-6295 (1992)	

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				First Named Inventor	Daniel Hawiger
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	C37	Tempest, Philip R. et al, "A Humanized Anti-Tumor Necrosis Factor-α Monoclonal Antibody That Acts as a Partial, Competitive Antagonist of the Template Antibody," <i>Hybridoma</i> , Vol. 13(3):183-190 (1994)	L.,.
<u>,, </u>	C38	Tjoa, Benjamin A. et al, "Development of dendritic-cell based prostate cancer vaccine," Immunology Letters, Vol. 74:87-93 (2000)	
	C39	Tüting, Thomas et al, "Autologous Human Monocyte-Derived Dendritic Cells Genetically Modified to Express Melanoma Antigens Elicit Primary Cytotoxic T Cell Responses In Vitro: Enhancement by Cotransfection of Genes Encoding the Th1-Biasing Cytokines IL-12 and IFN-α," The Journal of Immunotherapy, Vol. 160:1139-1147 (1998)	
	C40	Wallace, Paul K. et al, "Exogenous antigen targeted to FcγRl on Myeloid cells is presented in association with MHC class I," <i>Journal of Immunological Methods</i> , Vol. 248:183-194 (2001)	
	C41	Wang, Hui et al, "Rapid antibody responses by low-dose, single-step, dendritic cell-targeted immunization," PNAS, Vol. 96(2):847-852 (2000)	
	C42	Ward, E. Sally et al, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from <i>Escherichia coli</i> ," <i>Nature</i> , Vol. 341:544-546 (1989)	
	C43	You, Zhaoyang et al, "Targeting Dendritic Cells to Enhance DNA Vaccine Potency," Cancer Research, Vol. 61:3704-3711 (2001)	

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